

Authorization of Virkon™ S against Tomato Brown Rugose Fruit Virus

Based on Press release and publication of Staatscourant

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- The Dutch Ministry of Agriculture, Nature and Food Quality has granted a temporary authorization for Virkon™ S against Tomato Brown Rugose Fruit Virus
 - On 17 October 2019: the presence of ToBRFV in the covered cultivation of tomato was officially confirmed.
 - This authorization is for a period of 120 day (from 25 October 2019 until 23 February 2020)
 - This authorization was granted as the cultivation of tomatoes is in a situation of emergency -> ToBRFV is a an acute danger to plant health
 - > *Since 1 November emergency measures in the EU in accordance with Decree (EU) 2019/1615*
 - => *The Netherland has to take measures to to prevent the organism from spreading.*
 - This virus can only be eliminated:
 - > Destroying the infected plants
 - > Possible infected surfaces + equipment, ... have to cleaned thoroughly and then disinfected
- The Dutch Food and Consumer Product Safety Authority concluded to use Virkon™ S and that an temporary authorization is needed
 - Based on literature (*effectiveness of disinfectants against tobamoviruses*) but also recent research
 - Virkon™ is effective by a dose of 1%
 - There are no other plant protection products nor biocides known to be effective against ToBRFV and that have an authorization.

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- Because of this authorization, Virkon™ S is also allowed for the following:
 - Disinfectant for transport vehicles (Container included) transporting the material
 - Disinfectant of equipment used for loading and unloading of vehicles and the spaces and surfaces in which this treatment takes place
- Virkon S had already an authorization to be used:
 - *to combat bacteria (excl. bacterial spores and mycobacteria), yeasts and viruses in rooms and / or on materials, surfaces and footwear in greenhouses without a crop stand, in rooms intended for human residence/disinfection in rooms or on materials and surfaces in greenhouse horticulture, and in rooms intended for for human residence.*
- “Hygiene Protocol Tomato” drafted by “Greenhouse Netherlands” (**Glastuinbouw Nederland**).
 - Chapter 7: info about disinfectant products
 - > Only outside or empty greenhouse
- More info on www.virkon.nl (-> **site Biosecurity**)
- Read the full decision and everything about the exemption for using Virkon™ S in “de Staatscourant”
 - Staatscourant 2019 nr. 58258 - published 25 oktober 2019

Annex Staatscourtant: “LEGAL USE INSTRUCTIONS” VIRKON S (13676)

- Allowed use (see previous slides)
- The dosage and exposure time provided in the instructions have to be followed (see below)
- During spraying and misting -> only the person doing the handling is allowed in the room/area where action takes place
- Waste residues containing the product -> sewerage with connection to the Sewage treatment plant
- Professional use only

Annex Staatscourtant: “INSTRUCTIONS FOR USE” VIRKON S (13676)

▪ General

The surface that has to be disinfected has to be thoroughly cleaned first. The cleaning agent used have to be rinsed with clean water. Remove excessiv water. When disinfecting, use as much liquid that the surfaces stay wet during the exposure time.

Disinfection of transport vehicles incl. Containers, and such like, and equipment that is used for loading and unloading of vehicles and spaces and surfaces in which this treatment is carried out

> Spaces and surfaces:

Dosage: 1% (100 g agent in 10 liters of water)

Minimum contact time: 10 minutes

Recommended amount: 300 mL of the 1% working dilution per m² of the to be treated surface

Application with back spray or high pressure spray with low pressure and large droplet size.

Notes regarding storage, use and waste

- The agent may only be applied on paved surfaces.
- Strongly absorbing surfaces that are fast drying (e.g., concrete) have to be made well wet.
- The product is not allowed in direct contact with animals